

Title (en)

ADDRESS COMPETITION METHOD OF MULTI-CONNECTION TYPE CONTROL SYSTEM

Title (de)

ADRESSENKONFLIKTVERFAHREN EINES MEHRFACHVERBINDUNGSSTEUERUNGSSYSTEMS

Title (fr)

PROCÉDÉ DE COMPÉTITION D'ADRESSE D'UN SYSTÈME DE COMMANDE DE TYPE À CONNEXIONS MULTIPLES

Publication

**EP 3826273 A4 20220601 (EN)**

Application

**EP 19830959 A 20190313**

Priority

- CN 201810727880 A 20180705
- CN 2019077990 W 20190313

Abstract (en)

[origin: US2021099418A1] An address competition method of a multi-connection type control system, intended to solve the problem of how to increase the efficiency of indoor air-conditioner unit address configuration where, according to the order in which a first slave control device initiates an address request, a relay device allocates, in sequence, temporary addresses to all first slave control devices, and according to the temporary addresses, initiates address requests in sequence to a master control device; according to the order in which a second slave control device initiates an address request, the master control device allocates, in sequence, official addresses to all second slave control devices; according to the temporary addresses, the relay device allocates the official addresses to the corresponding first slave control devices. The method can efficiently allocate an address to an indoor air-conditioner unit, and ensures that the address of each indoor air-conditioner unit is unique.

IPC 8 full level

**H04L 67/12** (2022.01); **F24F 11/00** (2018.01); **H04L 12/28** (2006.01); **H04L 61/5038** (2022.01); **H04L 61/5046** (2022.01)

CPC (source: CN EP US)

**H04L 12/2803** (2013.01 - EP US); **H04L 61/50** (2022.05 - CN US); **H04L 61/5038** (2022.05 - EP US); **H04L 61/5046** (2022.05 - CN US); **H04W 8/26** (2013.01 - US); **H04W 84/20** (2013.01 - US); **H04L 61/5046** (2022.05 - EP); **H04L 67/12** (2013.01 - EP); **H04L 2012/285** (2013.01 - US)

Citation (search report)

- [A] US 2006080379 A1 20060413 - SONG DONG-JUNE [KR], et al
- [A] US 5630324 A 19970520 - YOSHIDA SATORU [JP], et al
- [A] EP 2239519 A1 20101013 - MITSUBISHI HEAVY IND LTD [JP]
- [I] OULD-AHMED-VALL E ET AL: "Distributed unique global ID assignment for sensor networks", MOBILE ADHOC AND SENSOR SYSTEMS CONFERENCE, 2005. IEEE INTERNATIONAL C ONFERENCE ON NOV. 7, 2005, PISCATAWAY, NJ, USA,IEEE, 7 November 2005 (2005-11-07), pages 573 - 580, XP010858998, ISBN: 978-0-7803-9465-0, DOI: 10.1109/MAHSS.2005.1542846
- See also references of WO 2020007063A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**US 11190483 B2 20211130**; **US 2021099418 A1 20210401**; CN 110691147 A 20200114; CN 110691147 B 20210727; EP 3826273 A1 20210526; EP 3826273 A4 20220601; WO 2020007063 A1 20200109

DOCDB simple family (application)

**US 201916970647 A 20190313**; CN 201810727880 A 20180705; CN 2019077990 W 20190313; EP 19830959 A 20190313